

1652

Docket No. 217139US77

IN RE APPLICATION OF: William M. CANFIELD, et al.

SERIAL NO: 10/023,894

FILED: December 21, 2001

FOR: EXPRESSION OF LYSOSOMAL HYDROLASE ON CELLS EXPRESSING PRO-N-ACETYLGLUCOSAMINE-1-PHOSPHODIESTER ALPHA-N-ACETYL GLUCOSAMINIDASE

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Transmitted herewith is an amendment in the above-identified application.

☒ No additional fee is required

☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.

☒ Additional documents filed herewith: Attached to the Amendment: Meohring (1983) Inf. & Imm. 41(3); Gaps Index - Mucopolipidosis type 4; Fabry disease description; Medline plus - Morquio syndrome; Copy of IDS; PTO 1449 Form and date-stamped filing receipt dated February 21, 2002 w/153 Patents; Information Disclosure Statement; PTO 1449 Form; 4 references, International Search Report

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	36	MINUS	44	0	x \$18 =	\$0.00
INDEPENDENT	1	MINUS	8	0	x \$86 =	\$0.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$290 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$0.00

☒ A check in the amount of \$ 180.00 is attached.

☐ Credit card payment form is attached to cover the fees in the amount of \$0.00

☒ Please charge any additional Fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Richard L. Chinn, Ph.D.

Registration No. 34,305

Customer Number

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(OSMMN 05/03)

Daniel J. Pereira, Ph.D.

Registration No. 45,518

Docket No. 217139US77



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: William M. CANFIELD, et al.

SERIAL NO: 10/023,894

GAU: 1652

FILED: December 21, 2001

EXAMINER: Patterson

FOR: EXPRESSION OF LYSOSOMAL HYDROLASE ON CELLS EXPRESSING PRO-N-ACETYLGLUCOSAMINE-1-PHOSPHODIESTER ALPHA-N-ACETYL GLUCOSAMINIDASE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☐ The applicant(s) wish to make of record the references listed in the International Search Report and on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

01/22/2004 SSANDARA 00000005 10023894

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180.00 OP

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Richard L. Chinn, Ph.D.

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

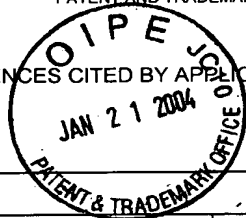
ATTY DOCKET NO.

217139US77

SERIAL NO.

10/023,894

LIST OF REFERENCES CITED BY APPLICANT



APPLICANT

William M. CANFIELD, et al.

FILING DATE

December 21, 2001

GROUP

1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	ZHAO, K.W., et al., "Purification and Characterization of Human Lymphoblast N-acetylglucosamine-1-phosphotransferase. Glycobiol. 1992, Vol. 2, No. 2, pages 119-125.
	AX	MULLIS, K.G., et al. "Purification and Kinetic Parameters of Bovine Liver N-acetylglucosamine-1-phosphodiester-alpha-N-acetylglucosaminidase. J. Biol. Chem. January 1994, Vol. 269, No. 3, pages 1718-1726.
	AY	DO, H. et al. "Human Mannose 6-Phosphate-uncovering Enzyme is Synthesized as a Proenzyme that is Activated by the Endoprotease Furin. August 2002, J. Biol. Chem., Vol. 277, No. 33, pages 29737-29744.
	AZ	LEE, W.S., et al., "Multiple Signals Regulate Trafficking of the Mannose 6-Phosphate-uncovering Enzyme. February 2002, Vol. 277, No. 5, pages 3544-3551.

☐ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY

Dept.: Chemical

OSMM&N File No. 217139US77

By: NFO/DJP/km

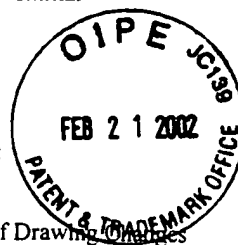
Serial No. 10/023,894

In the matter of the Application of: William CANFIELD et al

For: EXPRESSION OF LYSOSOMAL HYDROLASE IN CELLS EXPRESSING
PRO-N-ACETYLGLUCOSAMINE-1-PHOSPHODIESTER ALPHA-N-
ACETYL GLUCOSIMANIDASE

The following has been received in the U.S. Patent Office on the date stamped hereon:

- ☐ pp. Specification Claims/Drawings Sheets
and pages Application Data Sheet
- ☐ Combined Declaration, Petition & Power of Attorney pages
- ☐ List of Inventor Names and Addresses
- ☐ Utility Patent Application Transmittal ☐ CPA
- ☐ Notice of Priority ☐ Priority Doc
- ☐ Check for \$ ☒ Dep. Acct. Order Form
- ☐ Fee Transmittal Form
- ☐ Assignment/PTO 1595 pages:
- ☐ Letter to Official Draftsman
- ☐ Letter Requesting Approval of Drawing Changes
- ☐ Formal Drawings sheets ☐ Formal
- ☐ PTO Cover Letter
- ☐ Amendment and Request for Reconsideration w/Marked-up copy
- ☒ Information Disclosure Statement ☒ PTO-1449
- ☒ Cited References (169)
- ☐ International Search Report
- ☐ Statement of Relevancy ☐ Cited Pending Applications
- ☐ IDS/Related/List of Related Cases
- ☐ Restriction Response ☐ Election Response
- ☐ Rule 132 Declaration
- ☐ Request for Extension of Time
- ☐ Notice of Appeal
- ☐ Brief
- ☐ Issue Fee Transmittal
- ☐ White Advance Serial Number Card
- ☐ Small Entity Status is Claimed
- ☐



Due Date: February 21, 2002

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
217139US77SERIAL NO.
10/023,894

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APPLICANT

William M. CANFIELD

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOC- NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,118,045	09/12/045	REUSER ET AL			
	AB	5,939,279	08/17/99	SMITH			
	AC	5,932,211	08/03/99	WILSON ET AL			
	AD	5,929,036	07/27/99	McEVER			
	AE	5,928,928	07/27/99	AERTS			
	AF	5,919,913	07/06/99	NUYENS ET AL			
	AG	5,919,690	07/06/99	KNAP ET AL			
	AH	5,917,122	06/29/99	BYRNE			
	AI	5,916,911	06/29/99	SHAYMAN EET AL			
	AJ	5,916,870	06/29/99	LEE ET AL			
	AK	5,914,231	06/22/99	HENNINK ET AL			
	AL	5,912,146	06/15/99	NISHIMURA ET AL			
	AM	5,911,704	06/15/99	HUMES			
	AN	5,906,817	05/25/99	MOULLIER ET AL			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AO					
	AP					
	AQ					
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	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

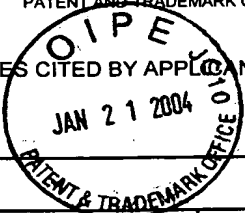
AW	Alan D. Elbein et al, "KIFUNENSINE, A POTENT INHIBITOR OF THE GLYCOPROTEIN PROCESSING MANNOSIDASE I", The Journal of Biological Chemistry, Vol. 265, No. 26, Issue of September 15, pp. 15599-15605, 1990.
AX	SLY, "The Missing Link in Lysosomal Enzyme Targeting", The Journal of Clinical Investigation, Vol. 105, No. 5, Pages 563-564, March 2000
AY	Raas-Rothschild et al., "Molecular Basis of Variant Pseudo-Hurler Polydystrophy (Mucopolipidosis IIIC)", The Journal of Clinical Investigation, Vol, 105, No. 5, pp. 673-681, March 2000
AZ	Bao et al., "Bovine Udp-N-Acetylglucosamine: Lysosomal-Enzyme N-Acetylglucosamine-1- Phosphotransferase", The Journal of Biological Chemistry, Vol, 271, No. 49, pp. 31446-31451, December 6, 1996

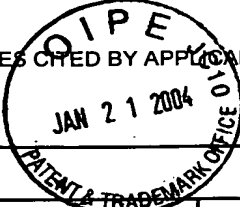
Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 217139US77		SERIAL NO. 10/023,894	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT William M. CANFIELD			
				FILING DATE DECEMBER 21, 2001		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	BA	5,895,833	04/20/99	BERG			
	BB	5,879,937	03/09/99	RONCAROLO			
	BC	5,874,297	02/23/99	WU ET AL			
	BD	5,871,946	02/16/99	LUCAS ET AL			
	BE	5,861,491	01/19/99	NUIJENS ET AL			
	BF	5,858,755	01/12/99	LOWE			
	BG	5,858,744	01/12/00	BAUM ET AL			
	BH	5,858,351	01/12/99	PODSAKOFF ET AL			
	BI	5,854,207	12/29/98	LEE ET AL			
	BJ	5,851,782	12/22/98	HANNUN ET AL			
	BK	5,849,885	12/15/98	NUYENS ET AL			
	BL	5,840,578	11/24/98	DESNICK			
	BM	5,830,916	11/03/98	HANNUM ET AL			
	BN	5,830,850	11/03/98	GELB ET AL			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	BO						
	BP						
	BQ						
	BR						
	BS						
	BT						
	BU						
	BV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	BW	KORNFELD, "Purification and Multimeric Structure of Bovine N-Acetylglucosamine-1-Phosphodiester α -N-Acetylglucosaminidase", The Journal of Biological Chemistry, Vol. 273, No. 36, pp. 23203-23210, September 4, 1998					
	BX	Joan M. MOEHRING et al., "Strains of CHO-K1 Cells Resistant to <i>Pseudomonas</i> Exotoxin A and Cross-Resistant to Diphtheria Toxin and Viruses", Infection and Immunity, Vol 41., No. 3, Sept 1983, pp. 998-1009					
	BY	Maxime LEHMANN et al., "Lack of integrin α -chain endoproteolytic cleavage in furin-deficient human colon adenocarcinoma cells LoVo", Biochem. J. (1996) 317, 803-809					
	BZ	Joseph F. SUCIC et al., "Endoprotease PACE4 is Ca^{2+} -dependent and temperature-sensitive and can partly rescue the phenotype of a furindeficient cell strain", Biochem. J. (1999) 339, pp. 639-647					
Examiner					Date Considered		
<small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203510US77		SERIAL NO. 10/023,890	
LIST OF REFERENCES CITED BY APPLICANT 				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	CA	5,830,711	11/03/98	BARANY ET AL			
	CB	5,807,943	09/15/98	LEE ET AL			
	CC	5,798,448	08/25/98	CARAS ET AL			
	CD	5,798,239	08/25/98	WILSON ET AL			
	CE	5,792,647	08/11/98	ROSEMAN ET AL			
	CF	5,773,236	06/30/98	DIWU ET AL			
	CG	5,759,775	06/02/98	CARAS ET AL			
	CH	5,750,172	05/12/98	MEADE ET AL			
	CI	5,741,957	04/21/98	DEBOER ET AL			
	CJ	5,736,360	04/07/98	GAULTON ET AL			
	CK	5,728,381	03/17/98	WILSON ET AL			
	CL	5,723,585	03/03/98	BAKER ET AL			
	CM	5,721,367	02/24/98	KAY ET AL			
	CN	5,719,031	02/17/98	HAUGLAND ET AL			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	CO						
	CQ						
	CR						
	CS						
	CT						
	CU						
	CV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	CW	Valery M. GORDON et al., "Proteolytic Activation of Bacterial Toxins by Eukaryotic Cells Is Performed by Furin and by Additional Cellular Proteases", Infection and Immunity, Vol. 63, Jan. 1995, pp.82-87					
	CX	Noel M. INOCENCIO et al., "Endoprotease Activities Other Than Furin and PACE4 with a Role in Processing of HIV-I gp160 Glycoproteins in CHO-K1 Cells", JBC Online, Vol. 272, No. 2, January 10, 1997, pp. 1344-1348					
	CY	Valery M. GORDON et al., "Proteolytic Activation of Bacterial Toxins by Eukaryotic Cells Is Performed by Furin and by Additional Cellular Proteases", Infection and Immunity, Vol. 63, No. 1, Jan. 1995, pp. 82-87					
	CZ	John L. MIDDLEBROOK et al., "Response of cultured mammalian cells to the exotoxins of <i>Pseudomonas aeruginosa</i> and <i>Corynebacterium diphtheriae</i> : differential cytotoxicity", Can. J. Microbiol. Vol. 23, (1997), pp. 183-189					
Examiner					Date Considered		
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	DA	5,716,614	02/10/98	KATZ ET AL			
	DB	5,707,865	01/13/98	KOHN ET AL			
	DC	5,704,910	06/06/98	HUMES			
	DD	5,696,001	12/09/97	HABENSTEIN			
	DE	5,693,622	12/02/97	WOLFF ET AL			
	DF	5,691,181	11/25/97	LOWE			
	DG	5,686,240	11/11/97	SCHUCHMAN ET AL			
	DH	5,679,545	10/21/97	BAKER ET AL			
	DI	5,665,366	09/09/97	RAWLINGS ET AL			
	DJ	5,663,254	09/02/97	LEE ET AL			
	DK	5,663,076	09/02/97	ROSTOKER ET AL			
	DL	5,658,567	08/19/97	CALHOUN ET AL			
	DM	5,648,335	07/15/97	LEWIS ET AL			
	DN	5,648,229	07/15/97	HABENSTEIN			
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	DP						
	DQ						
	DR						
	DS						
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	DV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	DW	Barbara H. IGLEWSKI et al., "Mechanism of Action of <i>Pseudomonas aeruginosa</i> Exotoxin A: Adenosine Diphosphate-Ribosylation of Mammalian Elongation Factor 2 In Vitro and In Vivo", Infection and Immunity, Vol. 15, No. 1, Jan. 1977, pp. 138-144.					
	DX	Ayoubi TA et al., "Production of recombinant proteins in Chinese hamster ovary cells overexpressing the subtilisin-like proprotein converting enzyme furin", NCBI, Mol Biol. Rep 1996:23(2):87-95					
	DY	Valery M. GORDON et al., "A Role for PACE4 in the Proteolytic Activation of Anthrax Toxin Protective Antigen", Infection and Immunity, Vol. 65, No. 8, Aug. 1997 pp. 3370-3375					
	DZ						
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LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; border: 1px solid black; border-radius: 50%; padding: 10px; width: 150px; margin: 0 auto;"> OIPE JAN 21 2004 PATENT & TRADEMARK OFFICE </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	EA	5,639,939	06/17/97	McCUNE, III			
	EB	5,639,607	06/17/97	DESNICK ET AL			
	EC	5,633,261	05/27/97	DIME			
	ED	5,633,228	05/27/97	LEWIS ET AL			
	EE	5,627,171	05/06/97	PARK ET AL			
	EF	5,627,073	05/06/97	BAKER ET AL			
	EG	5,624,806	04/29/97	BAKER ET AL			
	EH	5,621,106	04/15/97	DIME			
	EI	5,612,206	03/18/97	VALERIO ET AL			
	EJ	5,585,247	12/17/96	HABENSTEIN			
	EK	5,583,160	12/10/96	IGARASHI ET AL			
	EL	5,578,479	11/26/96	LADERMAN ET AL			
	EM	5,576,424	11/19/96	MAO ET AL			
	EN	5,571,893	11/05/96	BAKER ET AL			
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APPLICANT
William M. CANFIELDFILING DATE
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	FA	5,571,675	11/05/96	BAKER ET AL			
	FB	5,569,648	10/29/96	LEWIS ET AL			
	FC	5,565,362	10/15/96	ROSEN			
	FD	5,554,366	09/10/96	RAWLINGS ET AL			
	FE	5,545,402	08/13/96	WATKINSON			
	FF	5,534,615	07/09/96	BAKER ET AL			
	FG	5,512,471	04/30/96	SMITH			
	FH	5,501,957	03/26/96	DENNIS ET AL			
	FI	5,494,810	02/27/96	BARANY ET AL			
	FJ	5,491,075	02/13/96	DESNICK ET AL			
	FK	5,475,095	12/12/95	MYEROWITZ			
	FL	5,466,809	11/14/95	DIME			
	FM	5,449,604	09/12/95	SHELLENBERG ET AL			
	FN	5,443,986	08/22/95	HAUGHLAND ET AL			

FOREIGN PATENT DOCUMENTS

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	FT					
	FU					
	FV					

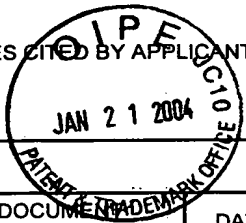
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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	FZ	

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	GA	5,439,935	08/08/95	RAWLINGS ET AL			
	GB	5,433,946	07/18/95	ALLEN, JR. ET AL			
	GC	5,420,112	05/30/95	LEWIS ET AL			
	GD	5,405,751	04/11/95	RONCAROLO			
	GE	5,382,524	01/17/95	DESNICK ET AL			
	GF	5,366,883	11/22/94	ASADA ET AL			
	GG	5,362,628	11/08/94	HAUGLAND			
	GH	5,344,352	09/06/94	HORNE ET AL			
	GI	5,316,906	05/31/94	HAUGLAND ET AL			
	GJ	5,310,646	05/10/94	WHITLEY			
	GK	5,296,365	03/22/94	OVERBEEKE ET EA			
	GL	5,281,394	01/25/94	HOLUB			
	GM	5,260,447	11/09/93	NAKAJIMA ET AL			
	GN	5,242,805	09/07/93	NALEWAY ET AL			
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	GO						
	GP						
	GQ						
	GR						
	GS						
	GT						
	GU						
	GV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	GW						
	GX						
	GY						
	GZ						
Examiner				Date Considered			

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Form PTO 1449
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PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
217139US77SERIAL NO.
10/023,894

LIST OF REFERENCES CITED BY APPLICANT

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William M. CANFIELD

FILING DATE
December 21, 2002

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	HA	5,217,865	01/08/93	MYEROWITZ			
	HB	5,208,148	05/04/93	HAUGLAND ET AL			
	HC	5,205,917	04/27/93	KLOCK, JR.			
	HD	5,179,023	01/12/93	CALHOUN ET AL			
	HE	5,166,320	11/24/92	WU ET AL			
	HF	5,143,841	09/01/92	HIRABAYSHI ET AL			
	HG	5,126,247	06/30/92	PALMER ET AL			
	HH	5,089,392	02/18/92	MILLER ET AL			
	HI	5,802,778	01/21/92	OVERBEEKE ET AL			
	HJ	5,077,200	12/31/91	HABENSTEIN			
	HK	5,075,231	12/24/91	MOREAU ET AL			
	HL	5,061,025	10/29/91	MATTES ET AL			
	HM	5,060,428	10/29/91	ARTHUR, JR. ET AL			
	HN	5,015,470	05/14/91	GIBSON			

FOREIGN PATENT DOCUMENTS

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	HR					
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	HU					
	HV					

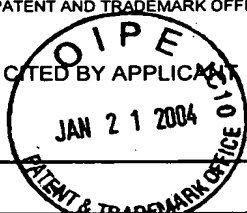
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; margin-top: 20px;">  </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	IA	5,001,072	03/19/91	OLSON			
	IB	4,997,760	03/05/91	HIRABAYASHI ET AL			
	IC	4,987,223	01/22/91	CHOAY ET AL			
	ID	4,986,274	01/22/91	STEPHENS			
	IE	4,981,801	01/01/91	SUZUKI ET AL			
	IF	4,975,441	12/04/90	GIBSON			
	IG	4,866,042	09/12/89	NEUWELT			
	IH	4,851,390	07/25/89	MORISHIGE			
	II	4,798,169	01/17/89	ROSEN ET AL			
	IJ	4,749,570	06/07/88	POZNANSKY			
	IK	4,659,817	04/21/87	GALLOP ET AL			
	IL	4,639,420	01/27/87	SCHAFFNER			
	IM	4,615,884	10/07/86	HARSHMAN			
	IN	4,595,015	06/17/86	JANSEN ET AL			
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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	IO						
	IP						
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	IR						
	IS						
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	IU						
	IV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	IW						
	IX						
	IY						
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	JA	4,496,722	01/29/85	GALLOP ET AL			
	JB	4,492,761	01/08/85	DURACK			
	JC	4,474,770	10/02/84	LORMEAU ET AL			
	JD	4,452,794	06/05/84	KORT ET AL			
	JE	4,433,946	02/28/84	CHRISTIANSON ET AL			
	JF	4,431,737	02/14/84	OLIVIERI ET AL			
	JG	4,401,758	08/30/83	LORMEAU ET AL			
	JH	4,401,662	08/30/83	LORMEAU ET AL			
	JI	4,332,894	06/01/82	WHISTLER			
	JJ	4,328,215	05/04/82	BUEDING			
	JK	4,195,126	12/23/80	HALL			
	JL	4,156,013	03/22/79	BRUINVELS ET AL			
	JM	4,140,107	02/20/79	LANCEE ET AL			
	JN	3,972,777	08/03/76	YAMADA ET AL			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
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	JO					
	JP					
	JQ					
	JR					
	JS					
	JT					
	JU					
	JV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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	AA	3,966,555	06/29/76	ARNAUD ET AL			
	AB	3,957,578	05/18/76	NARITA ET AL			
	AC	RE35,770	04/14/98	LORMEAU ET AL			
	AD	5,773,278	06/30/98	SCHUCHMAN ET AL			
	AE	5,798,366	08/25/98	PLATT ET AL			
	AF	5,635,383	06/03/97	WU ET AL			
	AG	5,968,502	10/19/99	TRECO ET AL			
	AH	5,055,401	10/08/91	LILJESTROEM ET AL			
	AI	5,202,253	04/13/93	ESMON ET AL			
	AJ	5,929,304	07/27/99	RADIN ET AL			
	AK	5,580,757	12/03/96	DESNICK ET AL			
	AL	5,356,804	10/18/94	DESNICK ET AL			
	AM	5,401,650	03/28/95	DESNICK ET AL			
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO					
	AP					
	AQ					
	AR					
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	AV					

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